Delphine LEROY

✉ **Email address:** delphine.leroy@pokapok.org

Gender: Female **Nationality:** French

WORK EXPERIENCE

[01/10/2007 – 14/01/2008] ### University research assistant

Blaise Pascal University

City: Clermont-Ferrand
Country: France
Main activities and responsibilities:
Atmospheric modelling
3D cloud modelling
Cloud microphysics

[14/01/2008 – 13/11/2008] ### Scientific researcher

Centre National de la Recherche Scientifique (CNRS)

City: Clermont- Ferrand
Country: France
Main activities and responsibilities:
Atmospheric modelling
Air quality modelling
Forecast quality control

[01/12/2008 – 22/05/2013] ### Project manager

NUMTECH

City: Clermont-Ferrand
Country: France
Main activities and responsibilities:
Atmospheric modelling - Weather forecasts
Air quality modelling - Air quality forecasts
Forecasts verification and validation
Data quality control
Operational systems' management

[15/07/2013 – 14/07/2017] ### Scientific researcher

Centre National de la Recherche Scientifique (CNRS)

City: Clermont-Ferrand
Country: France
Main activities and responsibilities:
In-situ data acquisition, quality control, analysis and dissemination
Development of automatic post-procesing processes
Image treatment
High Altitude Ice Crystals Project

[15/01/2018 – 14/07/2019] **Research engineer**

IFREMER

City: Brest
Country: France
Main activities and responsibilities:
Oceanographic data treatment
Biogeochemical data mapping
Spatial interpolation using variational analysis - (DIVA/DIVAnd) softwares
Emodnet Chemistry project

[01/07/2020 – 31/12/2021] **Research engineer**

IFREMER

City: Brest
Country: France
Main activities and responsibilities:
Biogeochemical and Wave data quality control
Operational oceanography
Data ingestion, database monitoring
Copernicus project
Copernicus Marine Environment Monitoring System (CMEMS)
In-Situ Thematic Center (INS TAC)

[10/01/2021 – Current] **Research engineer**

POKAPOK

City: Brest
Country: France
Main activities and responsibilities:
Data quality control
Data analysis, statistics
Development of automatic processes for data quality control

EDUCATION AND TRAINING

[01/10/2004 – 09/2007] **PHD in Atmospheric Physics and Chemistry**

Blaise Pascal University

Address: Clermont-Ferrand, France
Field(s) of study: Natural sciences, mathematics and statistics : *Environmental sciences Physics*
Final grade: PHD
Thesis: Development of a 3D cloud model with detailed warm and cold micrphysics - Numerical studies of medium and deep convective clouds
Main subject / occupational skills covered:
Atmospheric Modelling

3D cloud modelling

Warm and cold microphysics modelling

Deep convection clouds

[01/09/2002 – 06/2004] **Master in Physics**

Blaise Pascal University

Address: Clermont-Ferrand, France

LANGUAGE SKILLS

Mother tongue(s): French

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** C2
SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

DIGITAL SKILLS

R Language and R Studio | Programming languages (Python and R program) | Fortran Language | Julia (Programming Language) | Microsoft Office: proficient user of Word, Excel and Powerpoint | Google tools (Gmail Drive Google forms etc) | Database: SQL, Oracle | High Performance Computing